

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Continuation Application of:)	
)	
Hyug Jin KWEON et al.)	
)	
Application No.: To be assigned)	
Continuation of Application No.: 10/128,439)	
Filed: April 24, 2002)	Group Art Unit: Unassigned
)	
Filed: Concurrently Herewith)	
)	Examiner: Unassigned
Title: APPARATUS FOR MEASURING)	
DISPENSING AMOUNT OF LIQUID)	
CRYSTAL DROPS AND METHOD FOR)	
MANUFACTURING LIQUID CRYSTAL)	
DISPLAY DEVICE USING THE SAME)	

Commissioner for Patents
U.S. Patent and Trademark Office
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Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449. This Information Disclosure Statement is being filed within three months of the filing date of the above-referenced continuation application, which is concurrently being filed herewith. The listed documents were previously cited in the co-pending parent Application No. 10/128,439, filed on April 24, 2002, upon which Applicants rely for the benefits provided in 35 U.S.C. § 120. Thus, under 37 C.F.R. § 1.98(d), copies of the listed documents are not being submitted herewith.

Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached PTO-1449 form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "Prior Art." If it should be determined that any of the listed documents do not constitute "Prior Art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such document.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

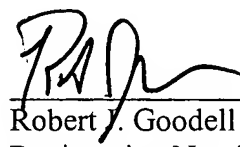
If there is any fee due in connection with the filing of this Information Disclosure Statement, please charge the fee to our Deposit Account No. 50-0310.

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP

Dated: January 26, 2004

By:



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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) PTO Form 1449				Attorney Docket No. 041501-5508-01		Continuation of Application No.: 10/128,439	
				PAGE 1 of 10			
				Applicant(s): Hyug Jin KWEON et al.		Filing Date: January 26, 2004	
				Group Art Unit: Unassigned			

U.S. PATENT DOCUMENTS							
*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date	
	4,094,058	Jun. 13, 1978	Yasutake et al.	29	592 R	Jul. 23, 1976	
	4,691,995	Sep. 8, 1987	Yamazaki et al.	350	331 R	Jul. 15, 1986	
	5,875,922	Mar. 2, 1999	Chastine et al.	222	1	Oct. 10, 1997	
	US 6,304,311 B1	Oct. 16, 2001	Egami et al.	349	189	Nov. 11, 1999	
	US 2001/0021000 A1	Sep. 13, 2001	Egami	349	187	Feb. 1, 2001	

FOREIGN PATENT DOCUMENTS								
	Document Number	Date	Country	Class	Sub Class	<u>Translation</u>		
						YES	NO	
	KR 2000-0035302-A	Jun. 26, 2000	Korea (w/abstract)				X	
	JP 5-154923-A	Jun. 22, 1993	Japan (w/abstract)				X	
	JP 6-313870-A	Nov. 8, 1994	Japan (w/abstract)				X	
	JP 6-235925-A	Aug. 23, 1994	Japan (w/abstract)				X	
	JP 7-84268-A	Mar. 31, 1995	Japan (w/abstract)				X	
	JP 8-101395-A	Apr. 16, 1996	Japan (w/abstract)				X	
	JP 9-61829-A	Mar. 7, 1997	Japan (w/abstract)				X	
	JP 10-177178-A	Jun. 30, 1998	Japan (w/abstract)				X	
	JP 10-333157-A	Dec. 18, 1998	Japan (w/abstract)				X	
	JP 10-333159-A	Dec. 18, 1998	Japan (w/abstract)				X	
	JP 11-133438-A	May 21, 1999	Japan (w/abstract)				X	
	JP 11-142864-A	May 28, 1999	Japan (w/abstract)				X	
	JP 11-248930-A	Sep. 17, 1999	Japan (w/abstract)				X	
	JP 11-326922-A	Nov. 26, 1999	Japan (w/abstract)				X	
	JP 2000-2879-A	Jan. 7, 2000	Japan (w/abstract)				X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	

Examiner:	Date Considered
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*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date	

FOREIGN PATENT DOCUMENTS								
	Document Number	Date	Country	Class	Sub Class	Translation		
						YES	NO	
	JP 2000-56311-A	Feb. 25, 2000	Japan (w/abstract)				X	
	JP 2000-66165-A	Mar. 3, 2000	Japan (w/abstract)				X	
	JP 2000-137235-A	May 16, 2000	Japan (w/abstract)				X	
	JP 2000-147528-A	May 26, 2000	Japan (w/abstract)				X	
	JP 2000-193988-A	Jul. 14, 2000	Japan (w/abstract)				X	
	JP 2000-241824-A	Sep. 8, 2000	Japan (w/abstract)				X	
	JP 2000-284295-A	Oct. 13, 2000	Japan (w/abstract)				X	
	JP 2000-292799-A	Oct. 20, 2000	Japan (w/abstract)				X	
	JP 2000-310759-A	Nov. 7, 2000	Japan (w/abstract)				X	
	JP 2000-310784-A	Nov. 7, 2000	Japan (w/abstract)				X	
	JP 2000-338501-A	Dec. 8, 2000	Japan (w/abstract)				X	
	JP 2001-5401-A	Jan. 12, 2001	Japan (w/abstract)				X	
	JP 2001-5405-A	Jan. 12, 2001	Japan (w/abstract)				X	
	JP 2001-13506-A	Jan. 19, 2001	Japan (w/abstract)				X	
	JP 2001-51284-A	Feb. 23, 2001	Japan (w/abstract)				X	
	JP 2001-33793-A	Feb. 9, 2001	Japan (w/abstract)				X	
	JP 2001-42341-A	Feb. 16, 2001	Japan (w/abstract)				X	
	JP 2001-66615-A	Mar. 16, 2001	Japan (w/abstract)				X	
	JP 2001-91727-A	Apr. 6, 2001	Japan (w/abstract)				X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

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FOREIGN PATENT DOCUMENTS									
		Document Number	Date	Country	Class	Sub Class	<u>Translation</u> YES NO		
		JP 2001-117109-A	Apr. 27, 2001	Japan (w/abstract)			X		
		JP 2001-133745-A	May 18, 2001	Japan (w/abstract)			X		
		JP 2001-133799-A	May 18, 2001	Japan (w/abstract)			X		
		JP 2001-166272-A	Jun. 22, 2001	Japan (w/abstract)			X		
		JP 2001-166310-A	Jun. 22, 2001	Japan (w/abstract)			X		
		JP 2001-183683-A	Jul. 6, 2001	Japan (w/abstract)			X		
		JP 2001-209052-A	Aug. 3, 2001	Japan (w/abstract)			X		
		JP 2001-201750-A	Jul. 27, 2001	Japan (w/abstract)			X		
		JP 2001-209060-A	Aug. 3, 2001	Japan (w/abstract)			X		
		JP 2001-215459-A	Aug. 10, 2001	Japan (w/abstract)			X		
		JP 2001-222017-A	Aug. 27, 2001	Japan (w/abstract)			X		
		JP 2001-235758-A	Aug. 31, 2001	Japan (w/abstract)			X		
		JP 2001-272640-A	Oct. 5, 2001	Japan (w/abstract)			X		
		JP 2001-282126-A	Oct. 12, 2001	Japan (w/abstract)			X		
		JP 2001-281678-A	Oct. 10, 2001	Japan (w/abstract)			X		
		JP 2001-281675-A	Oct. 10, 2001	Japan (w/abstract)			X		
		JP 2001-305563-A	Oct. 31, 2001	Japan (w/abstract)			X		
		JP 2001-330837-A	Nov. 30, 2001	Japan (w/abstract)			X		
		JP 2001-356353-A	Dec. 26, 2001	Japan (w/abstract)			X		
		EP 1 003 066 A1	May 24, 2000	Europe					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
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U.S. PATENT DOCUMENTS									
*Examiner Initial		Document Number	Date	Name	Class	Sub Class	Filing Date		
		5,247,377	Sep. 21, 1993	Omeis et al.	359	76	Jul. 24, 1989		
		5,511,591	Apr. 30, 1996	Abe	141	7	Apr. 10, 1995		
		5,642,214	Jun. 24, 1997	Ishii et al.	349	96	Jul. 5, 1994		
		5,742,370	Apr. 21, 1998	Kim et al.	349	124	Feb. 26, 1997		
		6,011,609	Jan. 4, 2000	Kato et al.	349	190	Oct. 2, 1997		
		6,016,178	Jan. 18, 2000	Kataoka et al.	349	117	Mar. 14, 1997		
		6,055,035	Apr. 25, 2000	Von Gutfeld et al.	349	187	May 11, 1998		
		6,163,357	Dec. 19, 2000	Nakamura	349	155	Sep. 26, 1997		
		6,226,067 B1	May 1, 2001	Nishiguchi et al.	349	155	Sep. 30, 1998		
		6,304,306 B1	Oct. 16, 2001	Shiomi et al.	349	88	Apr. 20, 1998		
		6,414,733 B1	Jul. 2, 2002	Ishikawa et al.	349	110	Feb. 7, 2000		
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		Document Number	Date	Country	Class	Sub Class	Translation YES NO		
		JP 51-065656	June 7, 1976	Japan (w/abstract)			X		
		JP 59-057221	April 2, 1984	Japan (w/abstract)			X		
		JP 59-195222	Nov. 6, 1984	Japan (w/abstract)			X		
		JP 60-111221	Jun. 17, 1985	Japan (w/abstract)			X		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
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U.S. PATENT DOCUMENTS									
*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date			
	3,978,580	09/07/1976	Leupp, et al.			09/27/1974			
	4,653,864	03/31/1987	Baron, et al.			02/26/1986			
	4,775,225	10/04/1988	Tsuboyama, et al.			05/14/1986			
	5,263,888	11/23/1993	Ishihara, et al.			02/11/1993			
	5,379,139	01/03/1995	Sato, et al.			07/06/1992			
	5,406,989	04/18/1995	Abe			10/12/1993			
	5,499,128	03/12/1996	Hasegawa, et al.			03/15/1994			
	5,507,323	04/16/1996	Abe			11/22/1994			
	5,539,545	07/23/1996	Shimizu, et al.			05/17/1994			
	5,548,429	08/20/1996	Tsujita			06/14/1994			
	5,680,189	10/21/1997	Shimizu, et al.			06/07/1995			
	5,757,451	05/26/1998	Miyazaki, et al.			09/09/1996			
	5,852,484	12/22/1998	Inoue, et al.			05/27/1997			
	5,854,664	12/29/1998	Inoue, et al.			09/25/1995			
	5,861,932	01/19/1999	Inata, et al.			03/30/1998			
	5,952,676	09/14/1999	Sato, et al.			06/06/1997			
	5,956,112	09/21/1999	Fujimori, et al.			10/01/1996			
FOREIGN PATENT DOCUMENTS									
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U.S. PATENT DOCUMENTS									
*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date			
	6,001,203	12/14/1999	Yamada, et al.			12/10/1997			
	6,016,181	01/18/2000	Shimada			01/21/1997			
	6,219,126	04/17/2001	Von Gutfeld			11/20/1998			
	6,236,445	05/22/2001	Foschaar, et al.			02/22/1996			
	6,337,730	01/08/2002	Ozaki, et al.			06/01/1999			
	2003/0063251	04/2003	Murata et al.						
	2001/0026348	10/2001	Murata et al.						
FOREIGN PATENT DOCUMENTS									
	Document Number	Date	Country	Class	Sub Class	<u>Translation</u> YES NO			
	57-38414	03/03/1982	Japan			Abstract			
	57-88428	06/02/1982	Japan			Abstract			
	58-27126	02/17/1983	Japan			Abstract			
	60-164723	08/27/1985	Japan			Abstract			
	60-217343	10/30/1985	Japan			Abstract			
	61-7822	01/14/1986	Japan			Abstract			
	61-55625	03/20/1986	Japan			Abstract			
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FOREIGN PATENT DOCUMENTS									
		Document Number	Date	Country	Class	Sub Class	<u>Translation</u> YES NO		
		62-89025	04/23/1987	Japan			Abstract		
		62-90622	04/25/1987	Japan			Abstract		
		62-205319	09/09/1987	Japan			Abstract		
		63-109413	05/14/1988	Japan			Abstract		
		63-110425	05/14/1988	Japan			Abstract		
		63-128315	05/31/1988	Japan			Abstract		
		63-311233	12/20/1988	Japan			Abstract		
		5-127179	05/25/1993	Japan			Abstract		
		5-265011	10/15/1993	Japan			Abstract		
		5-281557	10/29/1993	Japan			Abstract		
		5-281562	10/29/1993	Japan			Abstract		
		6-51256	02/25/1994	Japan			Abstract		
		6-148657	05/27/1994	Japan			Abstract		
		6-160871	06/07/1994	Japan			Abstract		
		6-265915	09/22/1994	Japan			Abstract		
		7-128674	05/19/1995	Japan			Abstract		
		7-181507	07/21/1995	Japan			Abstract		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
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FOREIGN PATENT DOCUMENTS									
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		8-95066	04/12/1996	Japan			Abstract		
		8-106101	04/23/1996	Japan			Abstract		
		8-171094	07/02/1996	Japan			Abstract		
		8-190099	07/23/1996	Japan			Abstract		
		8-240807	09/17/1996	Japan			Abstract		
		9-5762	01/10/1997	Japan			Abstract		
		9-26578	01/28/1997	Japan			Abstract		
		9-73075	03/18/1997	Japan			Abstract		
		9-73096	03/18/1997	Japan			Abstract		
		9-127528	05/16/1997	Japan			Abstract		
		9-230357	09/05/1997	Japan			Abstract		
		9-281511	10/31/1997	Japan			Abstract		
		9-311340	12/02/1997	Japan			Abstract		
		10-123537	05/15/1998	Japan			Abstract		
		10-123538	05/15/1998	Japan			Abstract		
		10-142616	05/29/1998	Japan			Abstract		
		10-221700	08/21/1998	Japan			Abstract		
		10-282512	10/23/1998	Japan			Abstract		
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FOREIGN PATENT DOCUMENTS									
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		11-14953	01/22/1999	Japan			Abstract		
		11-38424	02/12/1999	Japan			Abstract		
		11-64811	03/05/1999	Japan			Abstract		
		11-109388	04/23/1999	Japan			Abstract		
		11-174477	07/02/1999	Japan			Abstract		
		11-212045	08/06/1999	Japan			Abstract		
		11-344714	12/14/1999	Japan			Abstract		
		2000-29035	01/28/2000	Japan			Abstract		
		2001-117105	04/27/2001	Japan			Abstract		
		2001-133794	05/18/2001	Japan			Abstract		
		2001-142074	05/25/2001	Japan			Abstract		
		2001-147437	05/29/2001	Japan			Abstract		
		2001-154211	06/08/2001	Japan			Abstract		
		2001-255542	09/21/2001	Japan			Abstract		
		2001-264782	09/26/2001	Japan			Abstract		
		2001-330840	11/30/2001	Japan			Abstract		
		2001-356354	12/26/2001	Japan			Abstract		
		2002-14360	01/18/2002	Japan			Abstract		
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		2002-23176	01/23/2002	Japan			Abstract		
		2002-49045	02/15/2002	Japan			Abstract		
		2002-82340	03/22/2002	Japan			Abstract		
		2002-90759	03/27/2002	Japan			Abstract		
		2002-90760	03/27/2002	Japan			Abstract		
		2002-107740	04/10/2002	Japan			Abstract		
		2002-122872	04/26/2002	Japan			Abstract		
		2002-122873	04/26/2002	Japan			Abstract		
		2002-139734	05/17/2002	Japan			Abstract		
		2002-202512	07/19/2002	Japan			Abstract		
		2002-202514	07/19/2002	Japan			Abstract		
		2002-214626	07/31/2002	Japan			Abstract		
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